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NOTICE OF ALLOWANCE AND FEE(S) DUE

26096

7590

11/13/2009

CARLSON, GASKEY & OLDS, P.C. 400 WEST MAPLE ROAD SUITE 350 BIRMINGHAM, MI 48009 EXAMINER

ZARE, SCOTT A

ART UNIT PAPER NUMBER

3687

DATE MAILED: 11/13/2009

	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
•	10/763,803	01/23/2004	Jihua Wang	67,097-043	5003	

TITLE OF INVENTION: ROTABLE INVENTORY CALCULATION METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/16/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless corrected internance fee notificated to the control of t	correspondence includin d below or directed oth	g the Patent, advance of erwise in Block 1, by (a	rders and notification a) specifying a new co	of m	naintenance fees wi pondence address;	ll be i and/or	mailed to the current (b) indicating a separ	correspond cate "FF	ondence address as EE ADDRESS" for
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400 WEST MAR SUITE 350					Certi	ificate	of Mailing or Transic) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	nission deposit class rabove, ate indic	ed with the United nail in an envelope or being facsimile ated below.
BIRMINGHAM	, MII 48009								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTO	RNEY DOCKET NO.	CONF	TRMATION NO.
10/763,803 ITLE OF INVENTION	01/23/2004 : ROTABLE INVENTO	RY CALCULATION MI	Jihua Wang ETHOD				67,097-043		5003
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		02/16/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
ZARE, SO	COTT A	3687	705-028000	_					
Change of corresponde FR 1.363). Change of corresponders form PTO/SE "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.	(1) the names of u or agents OR, alter. (2) the name of a s registered attorney	f a single firm (having as a member a rney or agent) and the names of up to stent attorneys or agents. If no name is							
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi n in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON I	data will appear on th T a substitute for filing (B) RESIDENCE: (C	he pa g an a	ntent. If an assigned assignment. and STATE OR CO	DUNT			_
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a. Applicant claims	tus (from status indicated s SMALL ENTITY statu	s. See 37 CFR 1.27.	• •	_			TITY status. See 37 CF		
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if requeecords of the United Sta	nired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an th	ne applicant; a regist	tered a	ttorney or agent; or the	assign:	ee or other party in
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/763,803	01/23/2004	Jihua Wang	67,097-043	5003		
26096 7590	11/13/2009		EXAMINER			
CARLSON, GASKE	EY & OLDS, P.C.	ZARE, SCOTT A				
400 WEST MAPLE RO	OAD	ART UNIT	PAPER NUMBER			
SUITE 350 BIRMINGHAM, MI 48	8009		3687 DATE MAILED: 11/13/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1272 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1272 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Intonsious Summans	10/763,803	WANG ET AL.		
Interview Summary	Examiner	Art Unit 3687 N/A. o if an agreement would render the substance of been filed, APP Y DAYS FROM WHICHEVER IS		
	SCOTT A. ZARE	3687		
All participants (applicant, applicant's representative, PTO	personnel):			
(1) <u>SCOTT A. ZARE</u> .	(3)			
(2) <u>QUINCY HARRISON</u> .	(4)			
Date of Interview: <u>03 November 2009</u> .				
Type: a)⊠ Telephonic b)⊡ Video Conference c)⊡ Personal [copy given to: 1)⊡ applicant 2	2)∏ applicant's representative	e]		
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e) No.			
Claim(s) discussed: <u>1 and 16-19</u> .				
Identification of prior art discussed:				
Agreement with respect to the claims f)⊠ was reached. g) was not reached. h) N	I/A.		
Substance of Interview including description of the general reached, or any other comments: <u>See Continuation Sheet</u> .	nature of what was agreed to	if an agreement	was	
(A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached	opy of the amendments that w			
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE A INTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER INTERVIEW DATE, OR THE MAILING DATE OF THIS INT FILE A STATEMENT OF THE SUBSTANCE OF THE INTERPRIEMENTS ON REVERSE SIDE OF THE SHEET.	last Office action has already OF ONE MONTH OR THIRTY ERVIEW SUMMARY FORM,	been filed, APP DAYS FROM T WHICHEVER IS	LICANT IS THIS LATER, TO	
	/Scott Zare/			

Application No.

Applicant(s)

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by
 attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does
 not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner.
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
 - (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The Examiner suggested amendments to the claims which would put the case in condition for allowance. Specifically, the Examiner recommended a positive recitation of the "selecting the proposed inventory" step in claims 1 and 19 and further suggested either canceling claims 16-18 or amending claims 16-18 to recite method steps. Applicant suggested language for independent claims 1 and 19, and provided amendments to dependent claims 16-18 in which the Examiner agrees puts the case in condition for allowance.

	Application No.	Applicant(s)	
	10/763,803	WANG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	SCOTT A. ZARE	3687	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due cou	rse. THIS
1. This communication is responsive to <u>10/21/0009</u> .			
2. The allowed claim(s) is/are 1,4-13 and 15-19.			
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	be been received. been received in Applicat	ion No	from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the require	ements
4. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give			ICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revie	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ck) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No	o./Mail Date <u>11/03/2009</u> . s Amendment/Comment	
Paper No./Mail Date4.	8. 🛛 Examiner'	s Statement of Reasons for Allowa	nce
of Biological Material	 9.		
	/Matthew S G		
		atent Examiner, Art Unit 3687	



Application No.

Application/Control Number: 10/763,803 Page 2

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Quincy Harrison on 11/03/2009.

The application has been amended as follows:

<u>AMENDMENT</u>

1. (Currently Amended) A method of optimizing rotable inventory, comprising:

interfacing a processor with a user interface, the user interface and the processor communicating with a computer having a computer readable storage medium including instructions for executing an algorithm to determine an optimized inventory level, the algorithm comprising the steps of:

selecting a desired customer service level;

obtaining at least one characteristic of a part repair lead-time distribution, wherein the at least one characteristic is a mean μ and a variance σ of the part repair lead-time distribution;

computing on the computer a proposed inventory level based on said at least one characteristic, wherein computing a proposed inventory level includes recomputing a probability term β having a distribution reflected by a difference term Δ_{β} and

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calculating the proposed inventory level as $I=A\cdot (R-W)-\mu+\Delta_{\beta}\cdot \sigma$, wherein I is the proposed inventory level, A is a part arrival value, R is a maximum repair time and W is a desired turnaround time window;

determining a calculated customer service level corresponding to the proposed inventory level;

comparing the calculated customer service level with the desired customer service level; and

selecting the proposed inventory level as the optimized inventory level if <u>when</u> the calculated customer service level is within a selected convergence threshold with respect to the desired customer service level.

2.-3. (Cancelled)

4. (Previously Presented) The method of claim 1, wherein the probability term β is bound by a left bound value BL and a right bound value BR, and wherein the method further comprises:

shifting the probability term β to the left bound value BL and defining a new probability term β between the left bound value BL and the right bound value BR if the calculated customer service level is less than the desired customer service level; and

shifting the probability term β to the right bound value BR and defining a new probability term β between the left bound value BL and the right bound value BR if the calculated customer service level is greater than the desired customer service level and

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if the difference between the calculated customer service level and the desired customer service level is greater than the selected convergence threshold.

- 5. (Original) The method of claim 4, further comprising repeating the computing, determining, comparing and shifting steps until the selecting step is executed.
- 6. (Original) The method of claim 1, further comprising repeating the computing, determining, and comparing steps until the selecting step is executed.
- 7. (Original) The method of claim 1, wherein the desired customer service level is a desired on-time delivery, and the calculated customer service level is a mean on-time delivery, wherein the desired on-time delivery and the mean on-time delivery are represented by a mean of a number of on-time delivered parts per time unit divided by a mean of arrivals per time unit.
- 8. (Original) The method of claim 7, wherein a number of arrivals per time unit is a constant number, and wherein the mean of arrivals per time unit is set equal to the constant number.
- 9. (Previously Presented) The method of claim 1, wherein the part arrival value is randomly variable.

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10. (Previously Presented) The method of claim 9, wherein the method further comprises:

obtaining an arrival value having a distribution G and an inventory value having a distribution Φ ;

obtaining a distribution of the calculated customer service level based from the distributions G and Φ ; and conducting the step of determining the calculated customer service level based on the distribution of the calculated customer service level.

- 11. (Original) The method of claim 9, wherein the method further comprises approximating the randomly variable number of arrivals per time unit with a constant number of arrivals per time unit.
- 12. (Previously Presented) The method of claim 1, wherein the method optimizes rotable inventory for an asset having a plurality of individual parts, wherein the step of selecting the desired customer service level comprises selecting the desired customer service level for the plurality of individual parts, and wherein the method further comprises:

conducting the obtaining, computing, determining, comparing, and selecting steps to obtain the optimized inventory level for each of said plurality of parts;

summing the optimized inventory level for each of the plurality of individual parts to obtain a total optimized inventory level;

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calculating a total rotable inventory cost from the total optimized inventory level;

minimizing the total rotable inventory cost.

13. (Original) The method of claim 12, wherein the minimizing step is conducted via a constrained optimization process.

14. (Cancelled)

15. (Currently Amended) A method of maintaining an optimized rotable inventory level, comprising:

determining an optimized inventory level, the determining step occurring on a computer having a computer readable storage medium storing instructions for:

selecting a desired customer service level;

obtaining at least one characteristic of a part repair lead-time distribution, wherein the at least one characteristic is a mean μ and a variance σ of the part repair lead-time distribution;

computing on the computer a proposed inventory level based on said at least one characteristic, wherein computing a proposed inventory level includes recomputing a probability term β having a distribution reflected by a difference term Δ_{β} and calculating the proposed inventory level as

 $I=A\cdot \left(R-W\right)-\mu+\Delta_{\beta}\cdot\sigma$, wherein I is the proposed inventory level, A is a

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level.

part arrival value, R is a maximum repair time and W is a desired turnaround time window;

determining a calculated customer service level corresponding to the proposed inventory level;

comparing the calculated customer service level with the desired customer service level; and

selecting the proposed inventory level as the optimized inventory level if

when the calculated customer service level is within a selected convergence

threshold with respect to the desired customer service level; and

maintaining an inventory level responsive to said optimized inventory

- 16. (Currently Amended) The method of claim 15, further comprising <u>interfacing with</u> a user interface.
- 17. (Currently Amended) The method of claim 16, further comprising <u>interfacing</u> a processor that interfaces with the user interface to determine the optimized inventory level.
- 18. (Currently Amended) The method of claim 17, further comprising storing data in a memory that stores data to be used by the processor to determine the optimized inventory level.

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19. (Currently Amended) A computer readable storage medium including a set of instructions that causes a computer to perform the following steps:

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interfacing a user interface with a processor

storing data on a memory to be used by the processor to execute an algorithm;

executing the algorithm on the processor to determine an optimized inventory

level, the algorithm comprising the steps of:

selecting a desired customer service level;

obtaining at least one characteristic of a part repair lead-time distribution, wherein the at least one characteristic is a mean μ and a variance σ of the part repair lead-time distribution;

using the computer readable storage medium on a computer to compute a proposed inventory level based on said at least one characteristic, wherein computing a proposed inventory level includes recomputing a probability term β having a distribution reflected by a difference term Δ_{β} and calculating the proposed inventory level as $I = A \cdot (R - W) - \mu + \Delta_{\beta} \cdot \sigma \quad , \text{ wherein } I \text{ is the proposed inventory level, A is a part arrival value, R is a maximum repair time and W is a desired turnaround time window; determining a calculated customer service level corresponding to the proposed inventory level:$

comparing the calculated customer service level with the desired customer service level; and

Page 9

respect to the desired customer service level.

REASONS FOR ALLOWANCE

the calculated customer service level is within a selected convergence threshold with

The following is an examiner's statement of reasons for allowance:

Independent claims 1, 15, and 19, are directed toward a method and computer product which causes a computer to perform a method which includes a computing step using an equation which was derived by the Applicants, and based on the Applicants' current knowledge. See Applicant's Remarks, 12/15/2008. No publications were used as a source for the equation, and no known publications use this equation for the purpose of selecting a proposed inventory level as recited in each independent claim. *Yang*, the closest prior art reference of record, discloses an iterative method of determining optimal inventory for service parts based on a specified level of customer service, but fails to teach computing a proposed inventory level by recomputing a probability term and using the given equation. No other prior art or non-patent literature was found to cure this deficiency.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SCOTT A. ZARE whose telephone number is (571)270-3266. The examiner can normally be reached on Monday - Friday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Gart can be reached on (571) 272-3955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Matthew S Gart/ Supervisory Patent Examiner, Art Unit 3687

Scott A. Zare Art Unit 3687 November 4, 2009